IN THE CLAIMS

1. – 14.(Cancelled)

15.   (New) An electronic component for connection to a telecommunications network and data exchange in accordance with at least a part of Internet protocols, comprising an integrated monolithic component comprising a DSP (Digital Signal processor) architecture including at least one memory in which is loaded a program implementing the Internet protocols including routines for message handling, FTP download and/or Web server functionalities, the DSP architecture further comprising a signal processing program for exchange of data on the network.

16   (New) The electronic component according to Claim 15, where the signal processing program is a modem program.

17.   (New) The electronic component according to Claim 15, wherein the network is a switched telephone network and the signal processing program is adapted for exchange of data on the switched telephone network.

18.   (New) The electronic component according to Claim 15, wherein the network is a local radio network and the signal processing program is adapted for exchange of data on the local radio network.

19.   (New) The electronic component according to Claim 15, wherein the network is an electric network and the signal processing program is adapted for exchange of data on the electric network.

20.   (New) The electronic component according to Claim 15, further comprising an analogue/digital conversion component that connects with the telecommunications network.

21.   (New) The electronic component according to Claim 15, wherein the at least one memory is a memory of at least 8 kilowords.

22.   (New) The electronic component according to any one Claims 17 to 21, further comprising a single buffer in each transmission direction for data preparation according to PPP, IP, and TCP standards, and a buffer memory for intermediate calculations.

23.   (New) The electronic component according to Claim 15, wherein the DSP is integrated in equipment for exchange of data between the equipment for exchange of data between the equipment and a remote system through an Internet service provider, the electronic component further comprising a protocol array and a supervision layer software which converts data exchanged in both transmission directions by the DSP with the equipment, into data contained within messages exchanged with the remote system through Internet and generates outgoing calls automatically to the Internet Service Provider for sending an electronic message or verifying

possible receipt of an electronic message.

24.   (New) The electronic component according to Claim 23, wherein the supervision layer confirms that a datum has been sent to the remote system by using acquittal messages, and by generating callbacks to the Internet Service Provider, where necessary.

25.   (New) The electronic component according to Claim 15, further comprising at least one protocol selected from the group consisting of

NAT (Network Address Translation) to implant an IP address conversion function between different addresses of the internal network equipment and a single IP address of the network seen from the internet; and

DHCP (Dynamic Host Configuration Protocol) which allows an IP address to be assigned dynamically to each piece of internal network equipment, and to perform the gateway function.

26.   (New) Communication equipment comprising a calculator, a connector for a telephone network and keyboarding and a display, wherein the connector includes an electronic component according to Claim 15.

27.   (New) A process for adapting a piece of telecommunications equipment fitted with a DSP calculator controlling modem functions, comprising:

loading a memory of the DSP calculator with a program including routines for message-handling, FTP download and/or Web server functionalities.

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28.   (New) The process according to Claim 27, wherein a TCP header, a IP header, and a PPP

header are calculated by storing intermediate data in a single working memory and a single

calculation buffer memory.